•	INTERNATIONAL RCH REPORT	International application No. P2004/008896
A. CLASSIFIC Int.Cl <sup>7</sup>	CATION OF SUBJECT MATTER H01R11/01, C09J9/02, C09J163/00, H01B1/00 H05K1/14, H05K3/36	
According to Inte	ernational Patent Classification (IPC) or to both national classification and IPC	C
B. FIELDS SE		
Minimum docum Int.Cl <sup>7</sup>	nentation searched (classification system followed by classification symbols) H01R11/01, C09J9/02, C09J163/00, H01B1/00 H05K1/14, H05K3/36	, н01В1/22, н01L21/60,
	earched other than minimum documentation to the extent that such document Shinan Koho 1922–1996 Jitsuyo Shinan To	
	tsuyo Shinan Koho 1971—2004 Toroku Jitsuyo S	
Electronic data b	ase consulted during the international search (name of data base and, where pro-	racticable, search terms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant	nnt passages Relevant to claim No.
A	JP 2001-189171 A (Sony Chemicals Corp.), 10 July, 2001 (10.07.01), Full text; Figs. 1 to 3 & EP 1093160 A2 & US 6451875 B1	1-19
A	JP 8-293526 A (Mitsubishi Electric Corp.) 05 November, 1996 (05.11.96), Full text; Figs. 1 to 9 (Family: none)	1-19
A	JP 4-30542 A (Toshiba Corp.), 03 February, 1992 (03.02.92), Full text; Figs. 1 to 3 (Family: none)	1-19
× Further do	cuments are listed in the continuation of Box C. See patent fam	aily annex.
"A" document de to be of parti	fining the general state of the art which is not considered date and not in co	blished after the international filing date or priority inflict with the application but eited to understand seory underlying the invention
filing date	considered nove	icular relevance; the claimed invention cannot be I or cannot be considered to involve an inventive
cited to esta special reaso "O" document ref	blish the publication date of another citation or other (as specified) (considered to in ferring to an oral disclosure, use, exhibition or other means	cument is taken alone icular relevance; the claimed invention cannot be volve an inventive step when the document is no or more other such documents, such combination a person skilled in the art

Date of the actual completion of the international search 23 August, 2004 (23.08.04)

document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed

> Date of mailing of the international search report 07 September, 2004 (07.09.04)

document member of the same patent family

Name and mailing address of the ISA/ Japanese Patent Office Authorized officer

Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)

Telephone No.

International application No.

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C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 59-120436 A (Seikosha Co., Ltd.), 12 July, 1984 (12.07.84), Full text (Family: none)	1-19
A	JP 60-191228 A (Suwa Seikosha Kabushiki Kaisha), 28 September, 1985 (28.09.85), Full text; Figs. 1 to 6 (Family: none)	1-19
<b>A</b>	JP 1-251787 A (Toshiba Corp.), 06 October, 1989 (06.10.89), Full text; Figs. 1 to 6 (Family: none)	1-19
A	JP 7-90237 A (Hitachi Chemical Co., Ltd.), 04 April, 1995 (04.04.95), Full text (Family: none)	1-19
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## INTERNATIONAL RCH REPORT

International application No.

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A. CLASSIFIC Int.Cl	ATION OF SUBJECT MATTER H01R11/01, C09J9/02, C09J163/ H05K1/14, H05K3/36	/00, H01B1/00, H01B1/22,	H01L21/60,			
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) Int.Cl <sup>7</sup> H01R11/01, C09J9/02, C09J163/00, H01B1/00, H01B1/22, H01L21/60, H05K1/14, H05K3/36						
	earched other than minimum documentation to the exte					
Kokai Ji	tsuyo Shinan Koho 1971—2004 To	tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	1996–2004 1994–2004			
Electronic data b	ase consulted during the international search (name of o	data base and, where practicable, search te	rms used)			
			·			
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A	JP 2001-189171 A (Sony Chemi	cals Corp.),	1-19			
	10 July, 2001 (10.07.01), Full text; Figs. 1 to 3		,			
		6451875 B1				
Α	JP 8-293526 A (Mitsubishi El 05 November, 1996 (05.11.96), Full text; Figs. 1 to 9 (Family: none)	ectric Corp.),	1- <u>1</u> 9			
A	JP 4-30542 A (Toshiba Corp.) 03 February, 1992 (03.02.92), Full text; Figs. 1 to 3 (Family: none)		1-19			
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.				
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "I" later document published after the interdate and not in conflict with the applicate the principle or theory underlying the interdate and not in conflict with the application.		ation but cited to understand				
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be considered.				
"L" document w	hich may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the o	laimed invention cannot be			
special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive combined with one or more other such	step when the document is documents, such combination			
"P" document published prior to the international filing date but later than		being obvious to a person skilled in the "&" document member of the same patent f				
Date of the actual completion of the international search 23 August, 2004 (23.08.04)  Date of mailing of the international search report 07 September, 2004 (07.09.04)						
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile No.		Telephone No.				

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C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT		
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